

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/20389

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/24; C12N 15/00

US CL : 536/23.2; 800/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.2; 800/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/14537 A1 (THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF AGRICULTURE) 01 March 2001 (01.03.2001), entire document.	1-51
A	SHERMAN, A. et al. Transposition of the drosophila element marnier into the chicken germ line. Nature Biotechnology. November 1998, Vol. 16, pages 1050-1053.	1-51
Y	WO 99/09817 A1 (BIOTECHNOLOGY AND BIOLOGICAL SCIENCES RESEARCH COUNCIL) 04 March 1999 (04.03.1999), page 5, lines 9-10; page 5, lines 4-5; page 7, lines 15-19; page 21, lines 29-31; page 22, lines 10-24.	1,20,11,18-22,25,28,40,41 and 44
Y	US 6,218,185 B1 (SHIRK et al.) 17 April 2001 (17.04.2001), col. 3, lines 14-30; col. 6, lines 33-35; col. 7, lines 61-67; COL. 14, lines 10-18; col. 17, lines 9-11; col. 18, LINES 1-16, col. 22, lines 7-61; claim 9.	1,20,11,18-22,28 and 44
Y	SCHNEIDER, S. An epitope tagged mammalian/prokaryotic expression vector with positive selection of cloned inserts. Gene. 1997, Vol. 197, pages 337-341, specifically, Abstract, lines 6-8, page 339, col. 1, lines 12-15, col. 2, paragraph 1, line 15; Figure 1.	1, 22, 25, 40, 41, 44



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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document member of the same patent family

Date of the actual completion of the international search

01 February 2004 (01.02.2004)

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KOZAK, M. At least six nucleotides preceding the AUG inhibitor codon enhance translation in mammalian cells. J. Mol. Biol. 1987, Vol. 196, pages 947-950, specifically page 947, col. 1, lines 25-33; page 949, col. 2, line 16.	1, 22, 25, 40, 41, 44
Y	WO 97/47739 A1 (BOARD OF TRUSTEES OPERATING MICHIGAN STATE UNIVERSITY) 18 December 1997 (18.12.1997), page 3, lines 29-30, page 6, lines 13-24, page 9, lines 7-34.	10, 11, 18-21, 28, 46